

IN THE CLAIMS

Please amend the claims as indicated by the amended claim set below.

1. (CURRENTLY AMENDED) A substrate suitable for printing a toner image thereon, comprising:

a sheet of plastic;

an underlayer coating, on the sheet of plastic, comprising a first polymer material ~~comprising a polymer chosen~~ selected from the group consisting of amine terminated polyamide, amino propyl triethoxy silane, and reaction products of amino propyl triethoxy silane; and

FI an overcoating, directly on the underlayer, comprising a second polymer material and having an outer surface to which a toner image can be fused and fixed.

2. (PREVIOUSLY AMENDED) A substrate according to claim 1 or claim 42 wherein the overlayer is free of particulate matter.

3. (PREVIOUSLY AMENDED) A substrate according to claim 1 or claim 42 wherein the overlayer is wax and pigment free.

Claims 4-6 have previously been cancelled without prejudice.

7. (PREVIOUSLY AMENDED) A substrate according to claim 1 or claim 42 wherein the sheet of plastic is polyethylene.

8. (PREVIOUSLY AMENDED) A substrate according to claim 1 or claim 42 wherein the sheet of plastic is vinyl.

9. (PREVIOUSLY AMENDED) A substrate according to claim 1 or claim 42 wherein

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the sheet of plastic is polycarbonate.

10. (PREVIOUSLY AMENDED) A substrate according to claim 1 or claim 42 wherein the sheet of plastic is polyethylene terephthalate (PET).

11. (PREVIOUSLY AMENDED) A substrate according to claim 1 or claim 42 wherein the sheet of plastic is BOPP (biaxially oriented polypropylene film).

12. (CURRENTLY AMENDED) A substrate according to ~~any of claims~~ claim 1 or claim 42 wherein the overlayer comprises styrene butadiene copolymer.

Claim 13 has previously been cancelled without prejudice.

14. (PREVIOUSLY AMENDED) A substrate according to claim 1 or claim 42 wherein the overlayer comprises ethylene acrylic acid copolymer.

15. (ORIGINAL) A substrate according to claim 14 wherein the ethylene acrylic acid copolymer has an acrylic acid comonomer percentage weight of less than 18%.

16. (ORIGINAL) A substrate according to claim 14 wherein the ethylene acrylic acid copolymer has an acrylic acid comonomer percentage weight of less than 16%.

17. (PREVIOUSLY AMENDED) A substrate according to claim 14 wherein the ethylene acrylic acid copolymer has an acrylic acid comonomer percentage weight of more than 8%.

18. (PREVIOUSLY AMENDED) A substrate according to claim 14 wherein the

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ethylene acrylic acid copolymer has an acrylic acid comonomer percentage weight of more than 12%.

19. (PREVIOUSLY AMENDED) A substrate according to claim 1 or claim 42 wherein the overlayer comprises polyvinyl pyridine.

20. (PREVIOUSLY AMENDED) A substrate according to claim 1 or claim 42 wherein the underlayer comprises amine terminated polyamide.

Claim 21 has previously been cancelled without prejudice.

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22. (PREVIOUSLY AMENDED) A substrate according to claim 1 or claim 42 wherein the underlayer comprises amino propyl triethoxy silane or reaction products of amino propyl triethoxy silane.

23. (PREVIOUSLY AMENDED) A substrate according to claim 1 or claim 42 wherein the underlayer has a weight of between 0.1 and 1 grams per square meter.

24. (PREVIOUSLY AMENDED) A substrate according to claim 1 or claim 42 wherein the underlayer has a weight of between about 0.3 and 0.5 grams per square meter.

25. (PREVIOUSLY AMENDED) A substrate according to claim 1 wherein the overlayer has a weight of between 0.1 and 10 grams per square meter.

26. (PREVIOUSLY AMENDED) A substrate according to claim 1 or claim 42 wherein the overlayer has a weight of between 0.2 and 2 grams per square meter.

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27. (ORIGINAL) A substrate according to claim 26 wherein the overlayer has a weight of between about 0.25 and about 0.35 grams per square meter.

28. (PREVIOUSLY AMENDED) A substrate according to claim 1 or claim 42 wherein the underlayer is free of particulate matter.

29. (PREVIOUSLY AMENDED) A substrate according to claim 1 or claim 42 consisting of only two coating layers.

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30. (CURRENTLY AMENDED - WITHDRAWN) A method of producing a coated substrate to which a toner image can be adhered comprising:

coating a sheet of plastic with a first polymer material as an underlayer, the underlayer comprising a polymer material chosen from the group consisting of amine terminated polyamide, and amino propyl triethoxy silane ~~and reaction products of amine propyl triethoxy silane; and~~

directly overcoating the underlayer with an second polymer material to form an overlayer coating on the underlayer, the overlayer having an outer surface to which a toner image can be adhered and fixed.

Claim 31 has previously been cancelled without prejudice.

32. (PREVIOUSLY AMENDED) A substrate produced according to the method of claim 30 or claim 45.

Claims 33-36 have previously been cancelled without prejudice.

37. (PREVIOUSLY AMENDED - WITHDRAWN) A printing method comprising:

providing a substrate according to claim 1 or claim 42 or produced according to claim 30 or claim 45; and
printing a toner image on the substrate.

38. (ORIGINAL - WITHDRAWN) A printing method according to claim 37 wherein the toner image is a liquid toner image.

39. (PREVIOUSLY AMENDED - WITHDRAWN) A printing method according to claim 37 wherein printing comprises transferring the toner image to the substrate using heat and pressure.

40. (PREVIOUSLY AMENDED - WITHDRAWN) A printing method according to claim 37 wherein printing comprises electrostatically transferring the toner image to the substrate.

41. (PREVIOUSLY AMENDED - WITHDRAWN) A printing method according to claim 37 and comprising:

forming the image on an image forming surface;
transferring the image from the image forming surface to an intermediate transfer member; and
transferring the image from the intermediate transfer member to the substrate.

42. (PREVIOUSLY AMENDED) A substrate suitable for printing a toner image thereon, comprising:

a sheet of plastic;
an underlayer coating, on the sheet of plastic, comprising a first polymer material comprising a polymer chosen from the group consisting of amine terminated polyamide,

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amino propyl triethoxy silane and reaction products of amino propyl triethoxy silane; and
an overlayer coating, directly on the underlayer, comprising a second polymer material and having an outer surface to which a toner image can be fused and fixed,
wherein the overlayer coating has a thickness of between 0.1 and 10 microns.

Claims 43 and 44 have previously been cancelled without prejudice.

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45. (CURRENTLY AMENDED – WITHDRAWN) A method of producing a coated substrate which a toner image can be adhered comprising:

coating a sheet of plastic with a first polymer material as an underlayer, the underlayer comprising a polymer chosen from the group consisting of amine terminated polyamide, ~~a silane coupling agent~~ and amino propyl triethoxy silane; and

directly overcoating the underlayer with a second polymer material to form an overlayer coating on the underlayer, the overlayer having an outer surface to which a toner image can be adhered and fixed,

wherein the overcoating has a dry thickness of between 0.1 and 10 microns.
